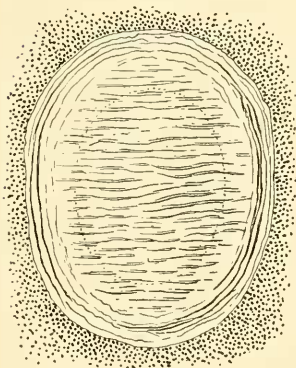
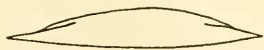


## COCOONS AND YOUNG OF CONIOPTERYX VICINA.

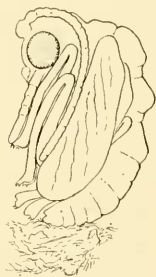
BY J. H. EMERTON, BOSTON, MASS.

While hunting for spiders under leaves on the ground at Allston, a suburb of Boston, in November, I found the cocoons of this neuropterous insect attached to oak leaves and resembling the egg cocoons of small spiders like *Micaria* and *Castaneira*. The cocoons were white and had fine parallel wrinkles across the upper surface, in this differing from spider cocoons, which are usually smooth. In nearly every case the cocoons were on small broken pieces of leaves of last season's growth. The under side of the cocoon is thin and attached to the leaf by its whole surface. The upper side is formed by a flat ring sometimes thickened on the inner edge and a transversely wrinkled cover which is not attached to the inner edge of the ring but beyond it near the outer border of the cocoon, as shown in the section. The mature insect tears a hole

CROSS SECTION OF COCOON



COCOON ATTACHED TO BARK

Winter larva as  
taken from cocoonPupa with larva  
skin adhering to  
lower end.